

ASSY 7

BOARD 1, PLUG 3	
A NSST	1 NSST
B YSST	2 YSST
C LNRUN	3 LNRUN
D LSC4	4 LSC4
E LSTO	5 LSTO
F LDR	6 LDR
G -2.4V	7 -2.4V
H LSR5	8 LSR5
I ROM CLK	9 ROM CLK
J F.F. CLK	10 F.F. CLK
K TPA	11 TPA
L	12
M	13
N	14
O	15
P	16
Q	17
R	18
S	19
T	20
U	21
V	22
W	23
X	24
Y	25
Z	26

BOARD 3, PLUG 1	
A -15V	1 -15V
B GND	2 GND
C -2.4V	3 -2.4V
D ROM CLK	4 ROM CLK
E F.F. CLK	5 F.F. CLK
F J45	6 J45
G K45	7 K45
H LDR	8 LDR
I F45	9 F45
J YW02201	10 YW02201
K YW02200	11 YW02200
L F52 F34	12 F52 F34
M YW02201	13 YW02201
N YW02200	14 YW02200
O F52 F34	15 F52 F34
P YW02201	16 YW02201
Q YW02200	17 YW02200
R F52 F34	18 F52 F34
S YW02201	19 YW02201
T YW02200	20 YW02200
U F52 F34	21 F52 F34
V YW02201	22 YW02201
W YW02200	23 YW02200
X F52 F34	24 F52 F34
Y YW02201	25 YW02201
Z YW02200	26 YW02200

BOARD 4, PLUG 2	
A -15V	1 -15V
B GND	2 GND
C -2.4V	3 -2.4V
D ROM CLK	4 ROM CLK
E F.F. CLK	5 F.F. CLK
F J45	6 J45
G K45	7 K45
H LDR	8 LDR
I F45	9 F45
J YW02201	10 YW02201
K YW02200	11 YW02200
L F52 F34	12 F52 F34
M YW02201	13 YW02201
N YW02200	14 YW02200
O F52 F34	15 F52 F34
P YW02201	16 YW02201
Q YW02200	17 YW02200
R F52 F34	18 F52 F34
S YW02201	19 YW02201
T YW02200	20 YW02200
U F52 F34	21 F52 F34
V YW02201	22 YW02201
W YW02200	23 YW02200
X F52 F34	24 F52 F34
Y YW02201	25 YW02201
Z YW02200	26 YW02200

BOARD 5, PLUG 3	
A -2.4V	1 -15V
B F45	2 F45
C F52	3 F52
D F34	4 F34
E F45	5 F45
F F52	6 F52
G F34	7 F34
H F45	8 F45
I F52	9 F52
J F34	10 F34
K F45	11 F45
L F52	12 F52
M F34	13 F34
N F45	14 F45
O F52	15 F52
P F34	16 F34
Q F45	17 F45
R F52	18 F52
S F34	19 F34
T F45	20 F45
U F52	21 F52
V F34	22 F34
W F45	23 F45
X F52	24 F52
Y F34	25 F34
Z F45	26 F45

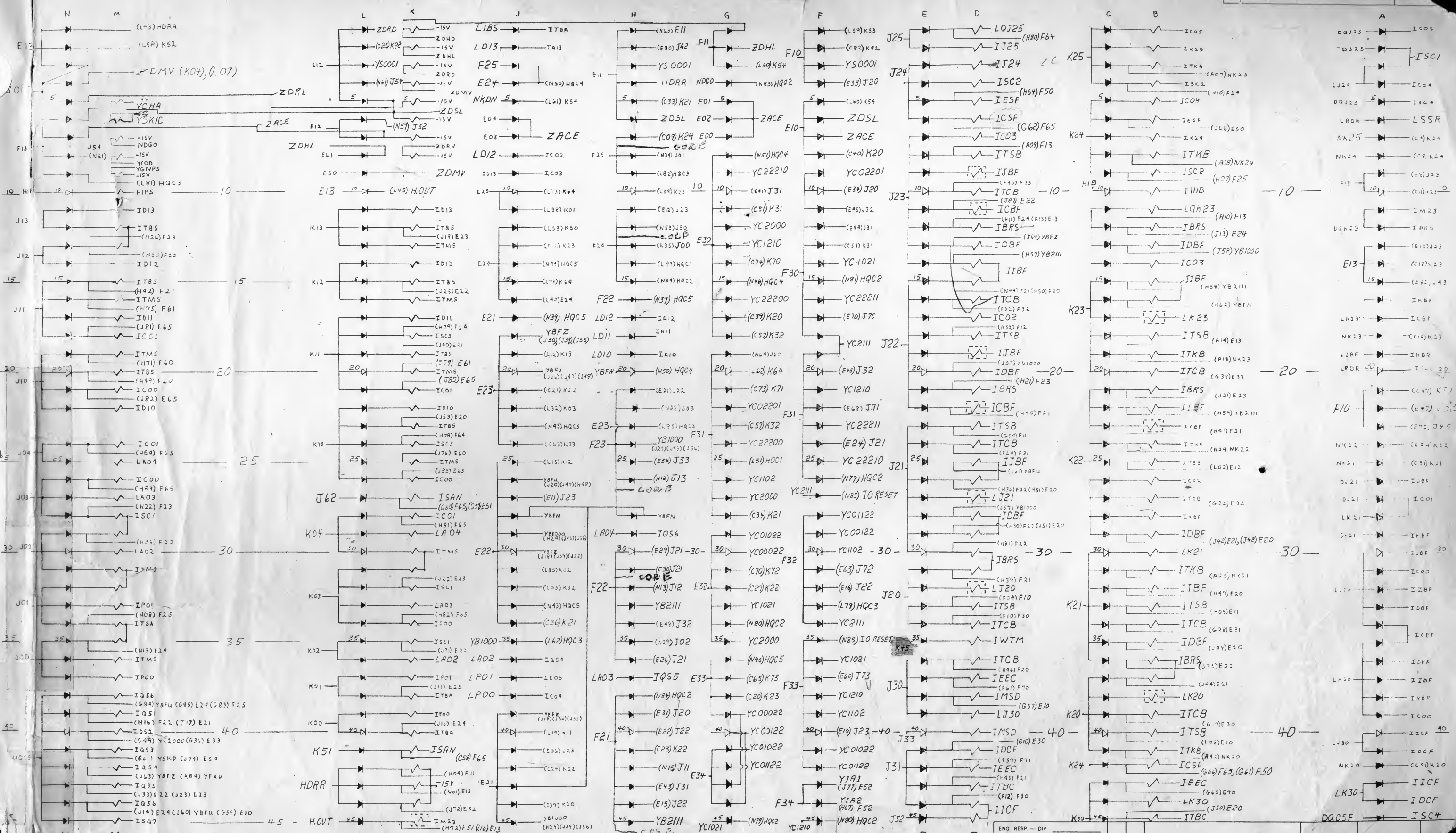
BOARD 6, PLUG 4	
A -15V	1 -15V
B GND	2 GND
C -2.4V	3 -2.4V
D ROM CLK	4 ROM CLK
E F.F. CLK	5 F.F. CLK
F J45	6 J45
G K45	7 K45
H LDR	8 LDR
I F45	9 F45
J YW02201	10 YW02201
K YW02200	11 YW02200
L F52 F34	12 F52 F34
M YW02201	13 YW02201
N YW02200	14 YW02200
O F52 F34	15 F52 F34
P YW02201	16 YW02201
Q YW02200	17 YW02200
R F52 F34	18 F52 F34
S YW02201	19 YW02201
T YW02200	20 YW02200
U F52 F34	21 F52 F34
V YW02201	22 YW02201
W YW02200	23 YW02200
X F52 F34	24 F52 F34
Y YW02201	25 YW02201
Z YW02200	26 YW02200

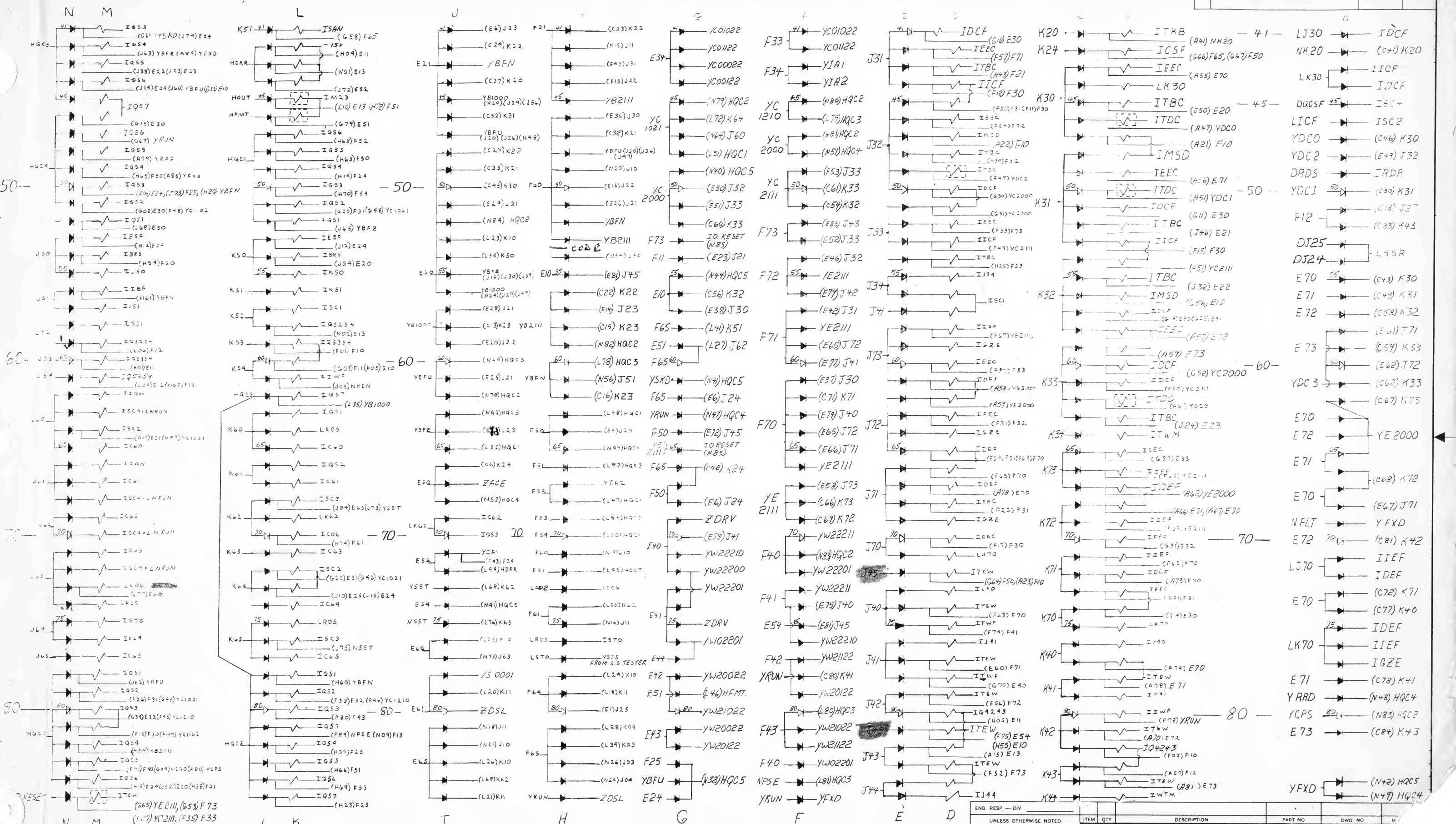
BOARD 6, PLUG 8	
A NK05	1 NK24
B NK10	2 NK20
C NK15	3 NK21
D NK20	4 NK22
E NK25	5 NK23
F NK30	6 NK24
G NK35	7 NK25
H NK40	8 NK26
I NK45	9 NK27
J NK50	10 NK28
K NK55	11 NK29
L NK60	12 NK30
M NK65	13 NK31
N NK70	14 NK32
O NK75	15 NK33
P NK80	16 NK34
Q NK85	17 NK35
R NK90	18 NK36
S NK95	19 NK37
T NK00	20 NK38
U NK05	21 NK39
V NK10	22 NK40
W NK15	23 NK41
X NK20	24 NK42
Y NK25	25 NK43
Z NK30	26 NK44

BOARD 13, PLUG 2	
A LQ06	1 LQ06
B LQ11	2 LQ11
C LQ16	3 LQ16
D LQ21	4 LQ21
E LQ26	5 LQ26
F LQ31	6 LQ31
G LQ36	7 LQ36
H LQ41	8 LQ41
I LQ46	9 LQ46
J LQ51	10 LQ51
K LQ56	11 LQ56
L LQ61	12 LQ61
M LQ66	13 LQ66
N LQ71	14 LQ71
O LQ76	15 LQ76
P LQ81	16 LQ81
Q LQ86	17 LQ86
R LQ91	18 LQ91
S LQ96	19 LQ96
T LQ01	20 LQ01
U LQ06	21 LQ06
V LQ11	22 LQ11
W LQ16	23 LQ16
X LQ21	24 LQ21
Y LQ26	25 LQ26
Z LQ31	26 LQ31

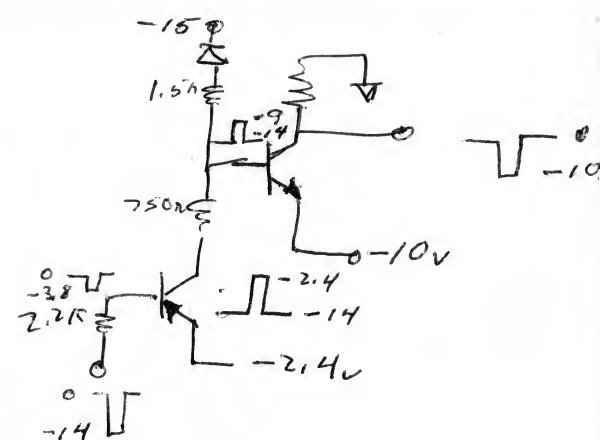
BOARD 2, PLUG 1	
A -15V	1 -15V
B GND	2 GND
C -2.4V	3 -2.4V
D ROM CLK	4 ROM CLK
E F.F. CLK	5 F.F. CLK
F J45	6 J45
G K45	7 K45
H LDR	8 LDR
I F45	9 F45
J YW02201	10 YW02201
K YW02200	11 YW02200
L F52 F34	12 F52 F34
M YW02201	13 YW02201
N YW02200	14 YW02200
O F52 F34	15 F52 F34
P YW02201	16 YW02201
Q YW02200	17 YW02200
R F52 F34	18 F52 F34
S YW02201	19 YW02201
T YW02200	20 YW02200
U F52 F34	21 F52 F34
V YW02201	22 YW02201
W YW02200	23 YW02200
X F52 F34	24 F52 F34
Y YW02201	25 YW02201
Z YW02200	26 YW02200

BOARD 3, PLUG 2	
A M-3	M-7
B 8	a b
C M4	c c
D M0	4
E M1	5
F M5	6 M2
G M6	7 X/E
H M7	8 Y
I F	9 YZ
J WORD COMM	10 X/C
K GND	11 GND
L YW22210	12 YW2221
M YW22200	13 YW2220
N YW22201	15 YW2220
O YW22211	16 YW2221
P YW20222	17 YW2102
Q YW20222	18 YW2023
R YW20202	19 YW2002
S YW21122	20 YW2112
T E44	21 E44
U F44	22 F44





ENG. RESP. - DIV.		ITEM QTY		DESCRIPTION		PART NO.		DWG. NO.	
UNLESS OTHERWISE NOTED - TOLERANCES -		DRAWN		DATE		TITLE		LABORATORY INS.	
0 XX ±0.02 0 XXX ±0.005		Bill Hays		1-7-67		9100B PAGE 2		HEWLETT	
ANGULAR ±		ENGINEER				INST. BOARD			
MACHINED SURFACES		APPROVED				FINISH		SCALE	
- DO NOT SCALE -		SUPERSEDES							



3100B RIGHT SIDE BOARD EXPANDER
09100-66508

9100B

9100B

LEFT SIDE BOARD (QUALIFIER)
09100-66509

SYM	REVISIONS	APPROVED	DATE

UNLESS OTHERWISE SPECIFIED:
1) ALL TRANSISTORS 5080-4663
2) ALL DIODES 1901-0040
3) ALL RESISTORS AB 1/4WATT ± 5%

YCHA — 6-1-14
YCDD — 6-2-1
YGNPS — 6-2-14

- 1-IQS1 (13-2-12,N)
- 2-IQS2 (13-2-13,P)
- 3-IQS3 (13-2-14,R)
- 4-IQS4 (13-2-15,S)
- 5-IQS5 (13-2-16,T)
- 6-IQS6 (13-2-17,U)
- 7-IQS7 (13-2-V)

COMPONENT LOCATION

- L52
- L51
- L50
- L49
- L48
- L47

- N78
- N79
- N80
- N81
- N82
- N83
- N84

- L78
- L79
- L80
- L81
- L82
- L83
- L84
- L85
- L86

- N52
- N51
- N50
- N49
- N48
- N47
- N46

- N39
- N40
- N41
- N42
- N43
- N44
- N45

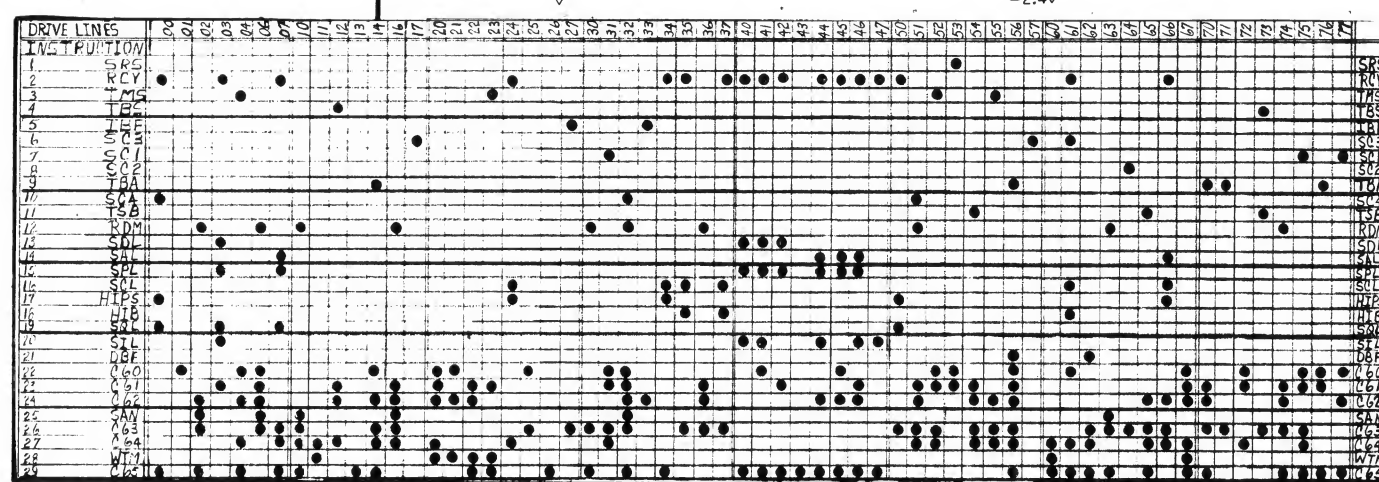
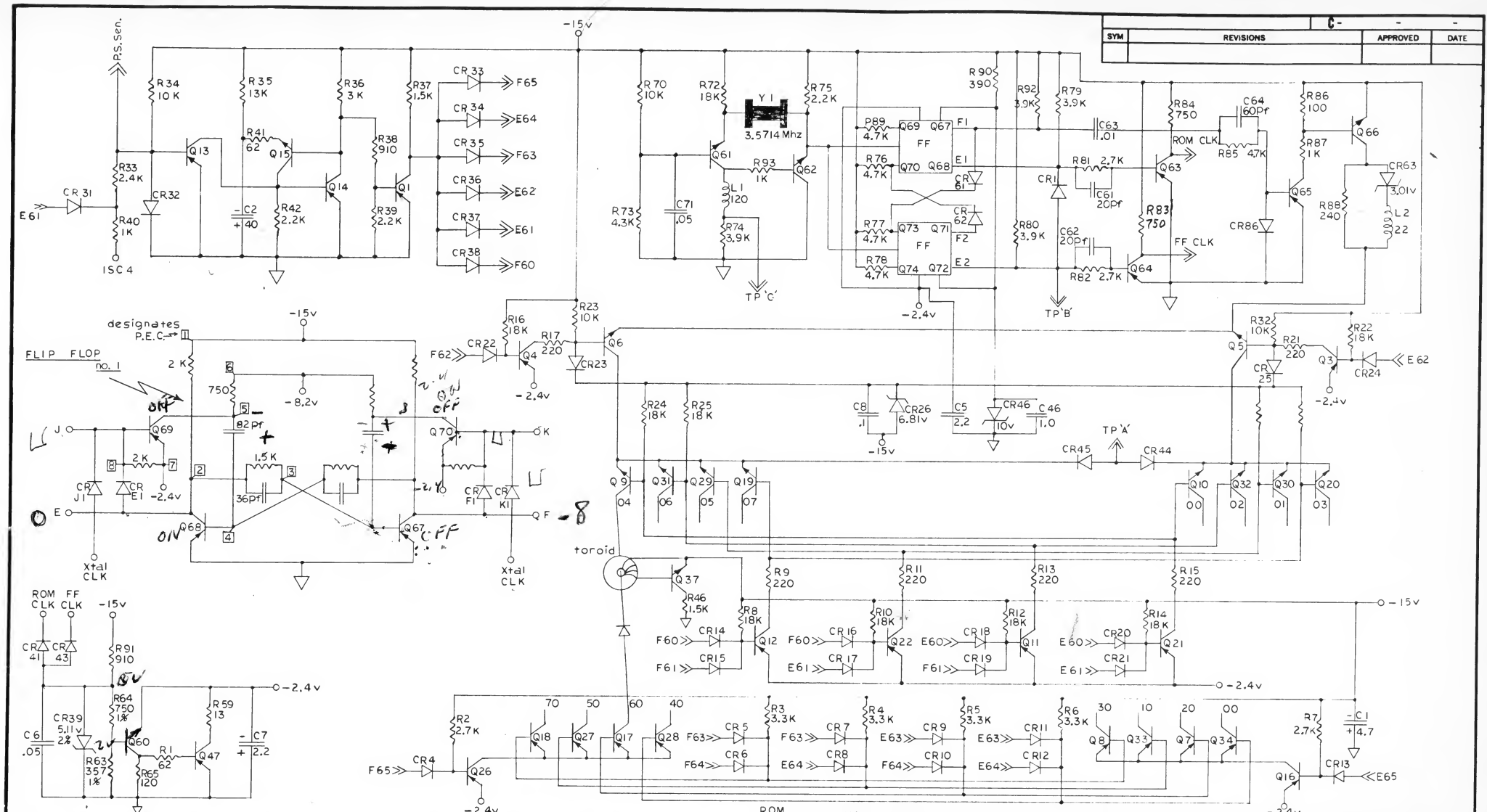
INSTRUCTION LOGIC BOARD
09100-66556

KEY BOARD CONNECTOR
09100-66532

ERROR LAMP CIRCUITRY

COMP. SIDE	6-2-1	6-1-1	6-9-1

ENG. DESG.	QTY.	DESCRIPTION	PART NO.	CHG. NO.	DATE SPEC.
UNLESS OTHERWISE NOTED TOLERANCES: 0.001 ± 0.002 ANGULAR ± MACHINED SURFACES ± 0.001 — DO NOT SCALE —	1	AL HOWARD 6-2-9 LEFT SIDE BOARD & QUALIFIER CIRCUITRY 5564 509 BOARDS			
APPROVED					
SUPERSEDES					
PRINTED					
SCALE					
HEAT SINK					
D					



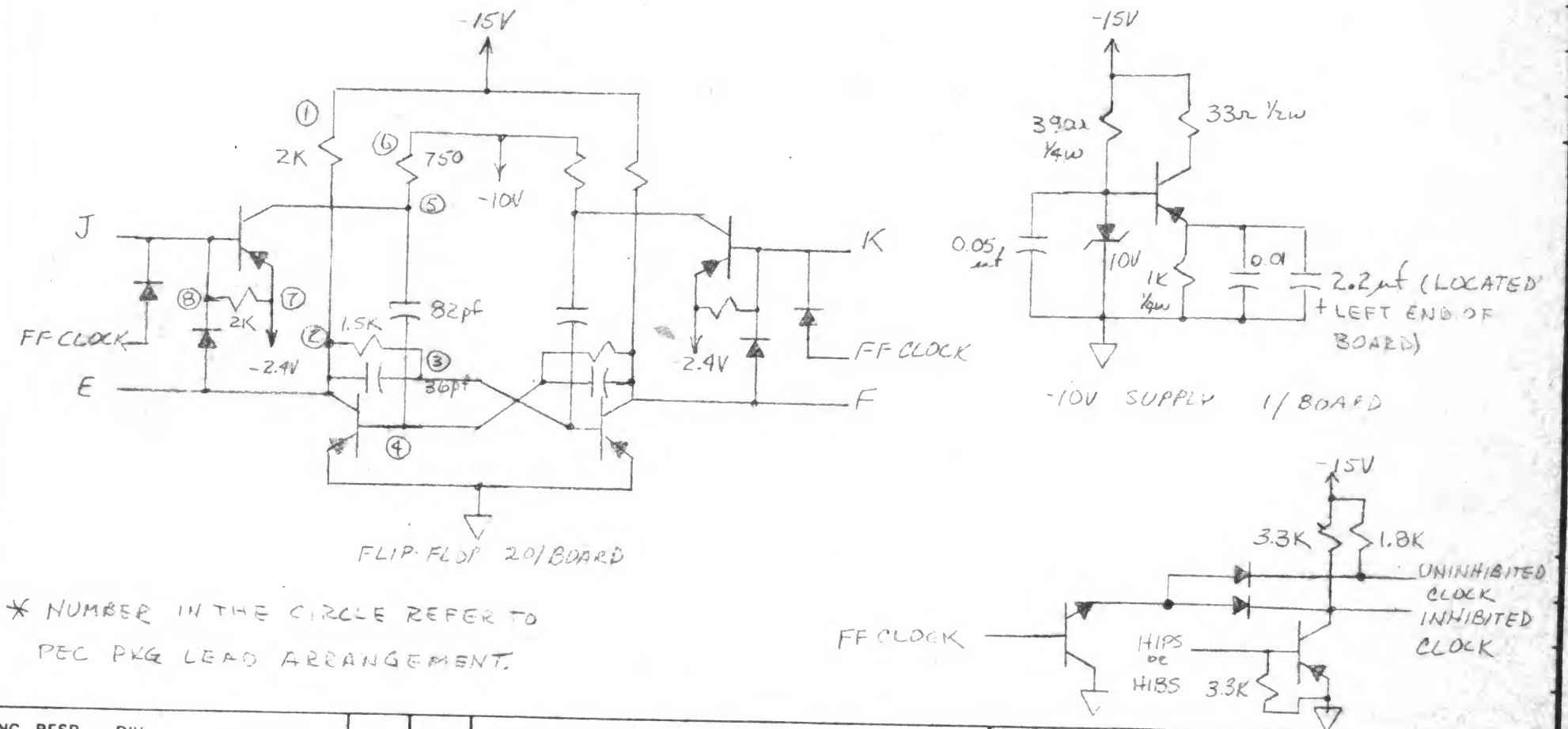
SYM	REVISIONS	APPROVED	DATE

ITEM	QTY	DESCRIPTION	PART NO.	DWG. NO.	MAT'L SPEC.
1	1	ROM CLK			
2	1	F60			
3	1	F61			
4	1	F62			
5	1	F63			
6	1	F64			
7	1	F65			
8	1	F66			
9	1	F67			
10	1	F68			
11	1	F69			
12	1	F70			
13	1	F71			
14	1	F72			
15	1	F73			
16	1	F74			
17	1	F75			
18	1	F76			
19	1	F77			
20	1	F78			
21	1	F79			
22	1	F80			
23	1	F81			
24	1	F82			
25	1	F83			
26	1	F84			
27	1	F85			
28	1	F86			
29	1	F87			
30	1	F88			
31	1	F89			
32	1	F90			
33	1	F91			
34	1	F92			
35	1	F93			
36	1	F94			
37	1	F95			
38	1	F96			
39	1	F97			
40	1	F98			
41	1	F99			
42	1	F100			

ENG. RESP. — DIV.	ITEM	QTY	DESCRIPTION	PART NO.	DWG. NO.	MAT'L SPEC.
UNLESS OTHERWISE NOTED — TOLERANCES —						
0.XX ± 0.02 0.XXX ± 0.005						
ANGULAR ±						
MACHINED SURFACES						
— DO NOT SCALE —						

ITEM	QTY	DESCRIPTION	PART NO.	DWG. NO.	MAT'L SPEC.
1	1	ROM CLK			
2	1	F60			
3	1	F61			
4	1	F62			
5	1	F63			
6	1	F64			
7	1	F65			
8	1	F66			
9	1	F67			
10	1	F68			
11	1	F69			
12	1	F70			
13	1	F71			
14	1	F72			
15	1	F73			
16	1	F74			
17	1	F75			
18	1	F76			
19	1	F77			
20	1	F78			
21	1	F79			
22	1	F80			
23	1	F81			
24	1	F82			
25	1	F83			
26	1	F84			
27	1	F85			
28	1	F86			
29	1	F87			
30	1	F88			
31	1	F89			
32	1	F90			
33	1	F91			
34	1	F92			
35	1	F93			
36	1	F94			
37	1	F95			
38	1	F96			
39	1	F97			
40	1	F98			
41	1	F99			
42	1	F100			

SYM		REVISIONS		APPROVED	DATE

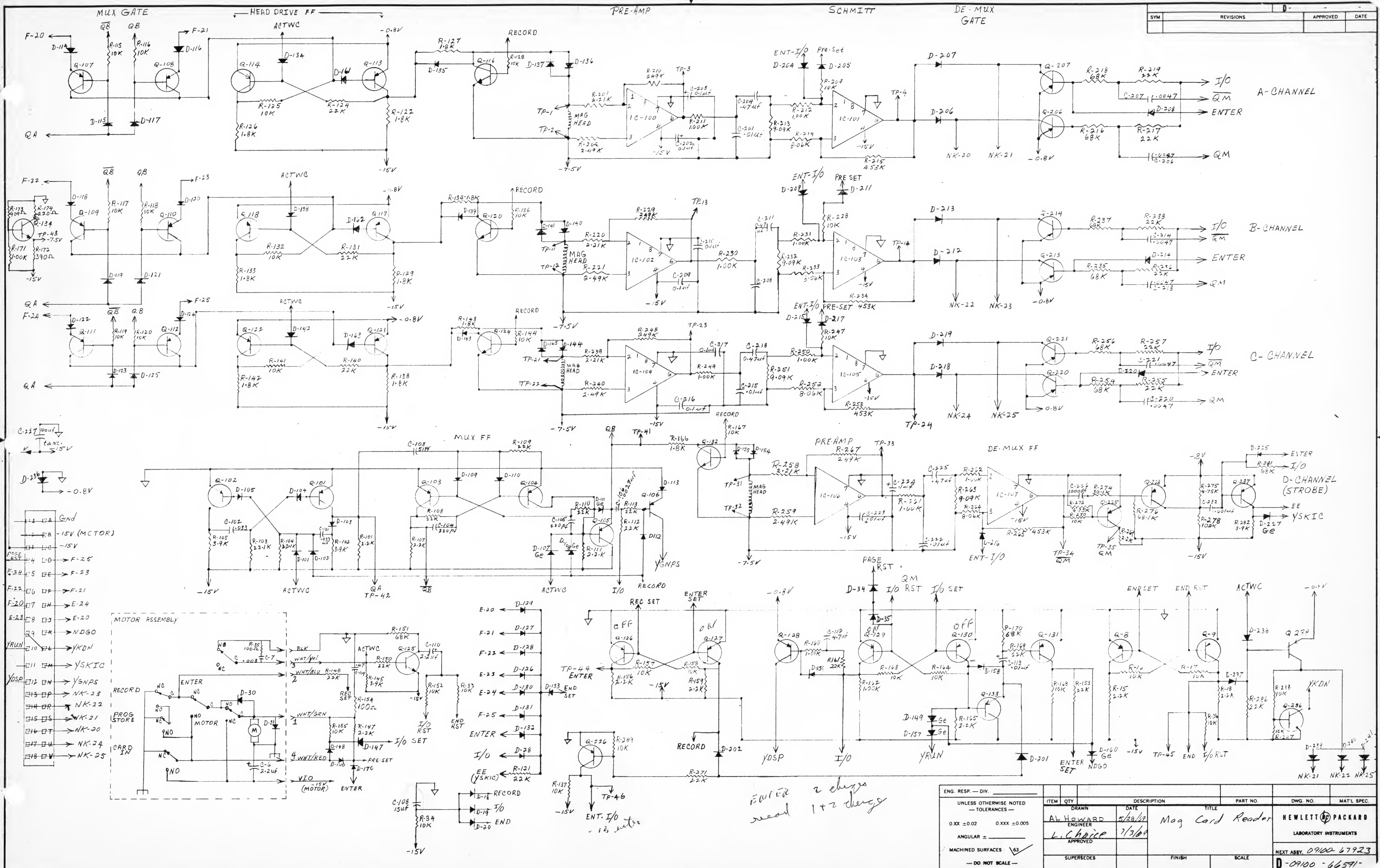


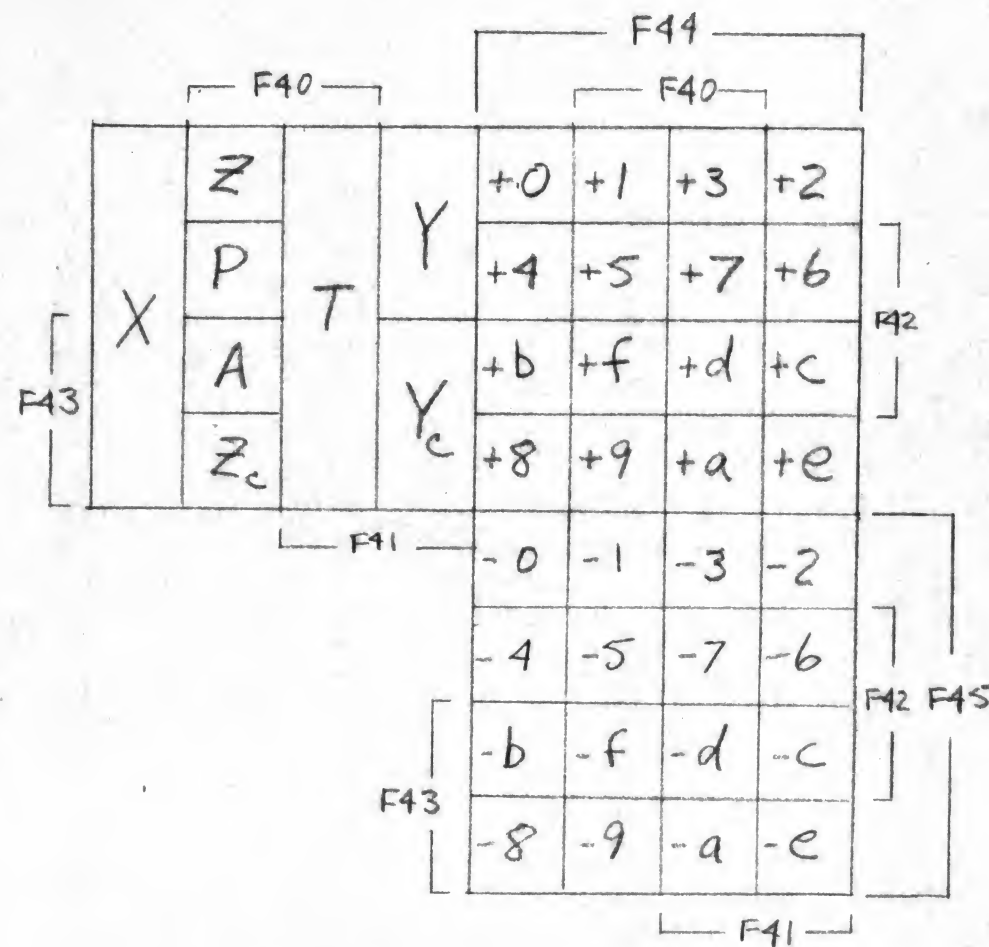
* NUMBER IN THE CIRCLE REFER TO
PEC PKG LEAD ARRANGEMENT.

ENG. RESP. — DIV. _____							
UNLESS OTHERWISE NOTED — TOLERANCES —		ITEM	QTY	DESCRIPTION	PART NO.	DWG. NO.	MAT'L SPEC.
0.XX ±0.02 0.XXX ±0.005		DRAWN JOHN SCOHY		DATE 7-2-68	J-K FLIP FLOP INHIBIT 10VOLT SUPPLY		
ANGULAR ± _____		ENGINEER					
MACHINED SURFACES ✓ 63		APPROVED					
— DO NOT SCALE —		SUPERSEDES					
				FINISH	SCALE	NEXT ASSY. A -	

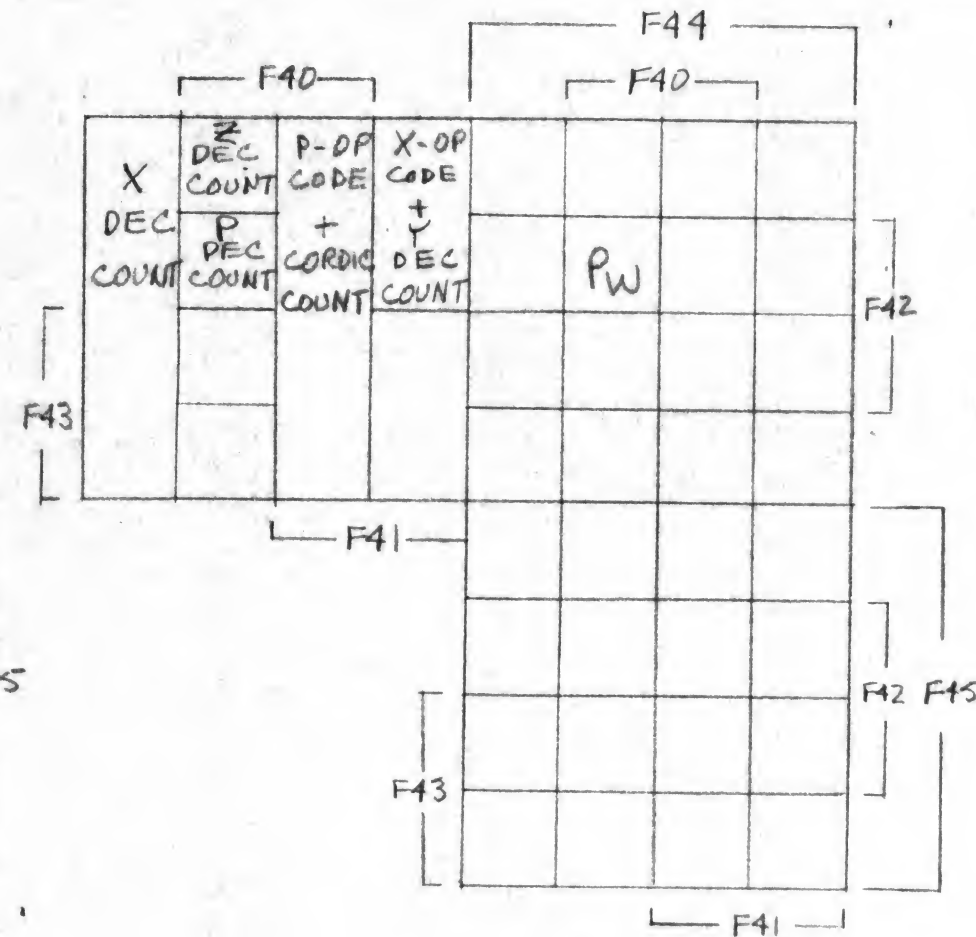
HP 9280-0001 PRINTED ON DIEPO 1020-10

SHEET

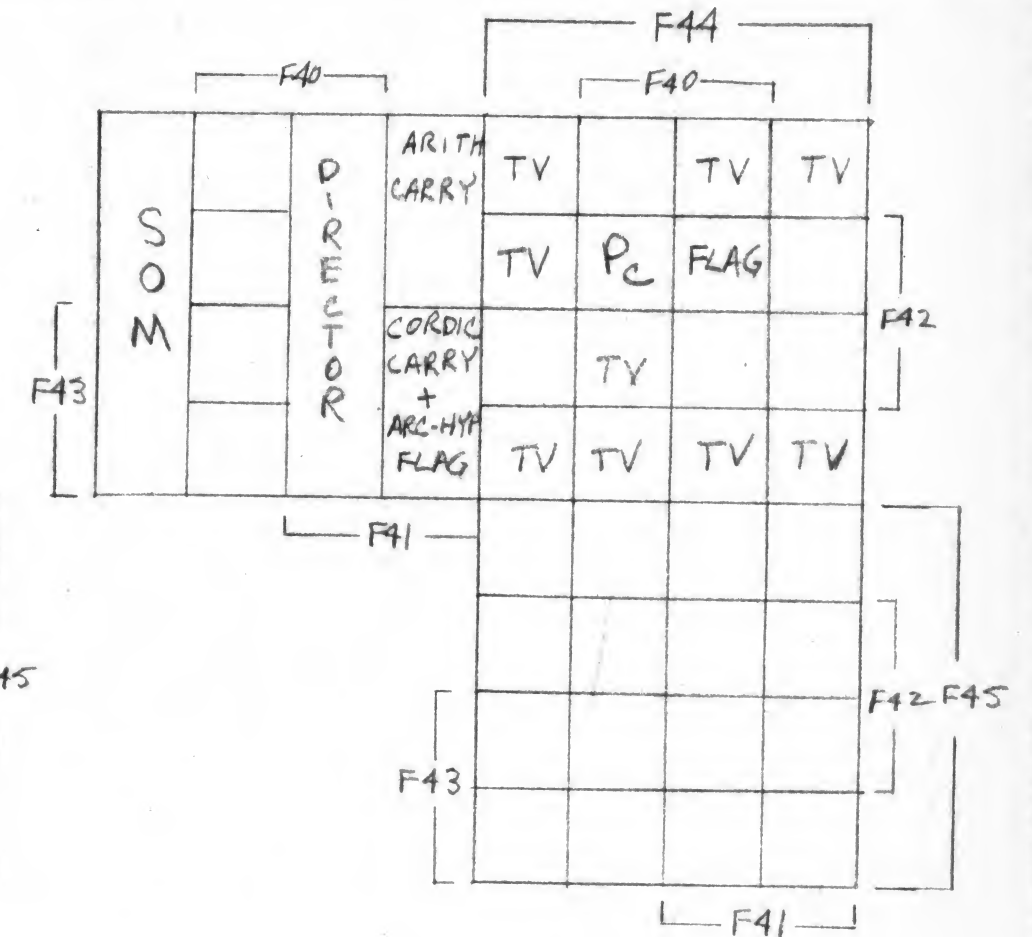




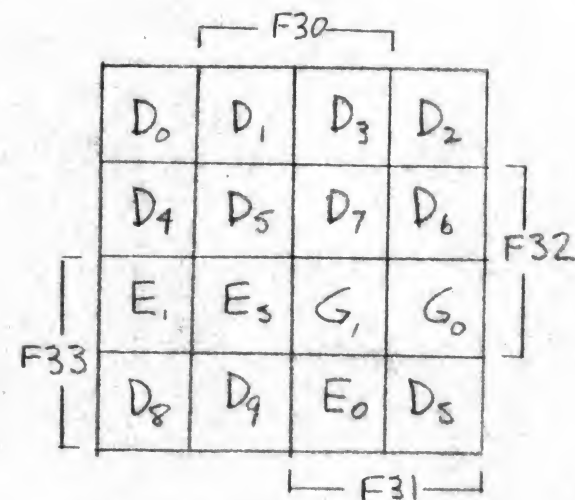
REGISTER MAP



F34.E52
INSTANT ACCESS 1



F34.F52
INSTANT ACCESS 2



CHARACTER MAP
E34

OCTAL	12	11	10	7	6	5	4	3	2	1	0	17	16	15	14	13
WORD	E	9	8	7	6	5	4	3	2	1	0	d	c	f	b	a
CHARACTER	D5	D9	D8	D7	D6	D5	D4	D3	D2	D1	D0	G1	G0	E5	E1	E0

ENG. RESP. — DIV. _____		ITEM	QTY	DESCRIPTION		PART NO.	DWG. NO.	MAT'L SPEC.
UNLESS OTHERWISE NOTED — TOLERANCES —		DRAWN <i>Rick Spangler</i>		DATE 5-5-69		TITLE 9100 B CORE MAP		HEWLETT PACKARD LABORATORY INSTRUMENTS
0.XX ±0.02 0.XXX ±0.005		ENGINEER						
ANGULAR ± _____		APPROVED						NEXT ASSY.
MACHINED SURFACES 63		SUPERSEDES				FINISH		SCALE
— DO NOT SCALE —								B - - -